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# AFRICAN AND LATIN AMERICAN RESILIENCE TO CLIMATE CHANGE (ARCC)

9<sup>th</sup> QUARTERLY REPORT (October - December 2013)

15 January 2014

This publication was produced for review by the United States Agency for International Development. It was prepared by Tetra Tech ARD.

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This report was prepared by:

Tetra Tech ARD  
159 Bank Street, Suite 300  
Burlington, Vermont 05401 USA

Tetra Tech ARD Contacts:

Patricia Caffrey  
Chief of Party  
Tetra Tech ARD  
Arlington, VA  
Tel.: 802-658-3890  
[Patricia.Caffrey@tetrattech.com](mailto:Patricia.Caffrey@tetrattech.com)

Anna Farmer  
Project Manager  
Tetra Tech ARD  
Burlington, Vermont  
Tel.: 802-658-3890  
[Anna.Farmer@tetrattech.com](mailto:Anna.Farmer@tetrattech.com)

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## DISCLAIMER

The views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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# ACRONYMS AND ABBREVIATIONS

AFR	Africa Region
AM	Activity Manager
ACPC	African Climate Policy Centre
APS	Annual Program Statements
ARCC	African and Latin American Resilience to Climate Change
CCA	Climate Change Adaptation
CCAFS	Climate Change Agriculture and Food Security Program (CGIAR)
CGIAR	Consultative Group on International Agricultural Research
CIESIN	Center for International Earth Science Information Network
CO	Contracting Officer
COP	Chief of Party
COP 17	Seventeenth Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC)
COR	Contracting Officer's Representative
ETOA	Environmental Threats and Opportunities Assessment
FAO	United Nations Food and Agriculture Organization
FEWS NET	Famine Early Warning Systems Network
FESS	Foundation for Environmental Security and Sustainability
FGD	Focus Group Discussion
FTF	Feed the Future
GCAP	Global Climate Adaptation Partnership
GCC	Global Climate Change
GMP	Grants Management Plan
GoU	Government of Uganda
GoM	Government of Malawi
GUC	Grants Under Contract
IQC	Indefinite Quantity Contract

KII	Key Informant Interview
LAC	Latin America and the Caribbean Region
LDPG	Local Development Partner Group
LVI	Livelihood Vulnerability Index
M&E	Monitoring and Evaluation
NAPA	National Adaptation Program of Action
NGO	Nongovernmental Organization
PM	Project Manager
PMP	Performance Monitoring Plan
PRRGP	Property Rights and Resource Governance Program
SMTS	Subject Matter Technical Specialists
SOW	Scope of Work
STA/M	Senior Technical Advisor/Manager
UCT	University of Cape Town
USG	United States Government
UNDP	United Nations Development Programme
UNFCCC	United Nations Framework Convention on Climate Change
VA	Vulnerability Assessment
WAVA	West Africa Vulnerability Assessment
WRI	World Resources Institute

# I.0 PROJECT SUMMARY

**The African and Latin American Resilience to Climate Change (ARCC)** project is a three-year program funded by the United States Agency for International Development (USAID) to provide technical, analytical, and project assistance, as well as capacity building to promote adaptation to climate change, in order to improve the ability of vulnerable populations to respond to climate challenges and safeguard economic growth. The Task Order for ARCC will focus on advancing the Economic Growth Objective within the USAID Foreign Assistance Framework by promoting adaptation to climate change and integration of adaptation into other economic investments, in order to safeguard and promote sustainable, climate-resilient growth. ARCC has the following goals/objectives:

- Promote sustainable economic growth through the development of vulnerability assessment methodologies and other analyses that provide information about the greatest climate change risks to sustainable growth and adaptation options;
- Promote improved governance through the development of analysis and methodologies that increase public understanding of potential climate change impacts and broaden civil society participation in decision-making;
- Address the needs of vulnerable populations, and include gender considerations, by developing best practices in analysis of risk and mitigation of climate change impacts on these populations; and
- Provide technical support to USAID missions and operating units by providing analysis, design, and evaluation support for activities related to adaptation.

To follow, the Task Order for ARCC consists of four activity areas with predefined tasks and deliverables:

- Task Area 1: Development of Vulnerability Assessments Methodologies;
- Task Area 2: Outreach, Training and Support;
- Task Area 3: Knowledge Development and Management; and
- Task Area 4: Technical Support to USAID Missions and Operating Units.

Under these Task Areas, key activities will include the provision of assessment methodologies to guide USAID programming of adaptation-related objectives; a vulnerability assessment tool to provide specific guidance into 'Feed The Future' planning for USAID programs; knowledge management support on topics that may range from evaluation of publicly available indicators of vulnerability to research to improve downscaled modeling outputs that are important for decision-making around adaptation; and technical assistance for field missions in Africa and to a lesser extent, the Latin America and Caribbean region. This Task Order is also expected to have the flexibility to address unforeseen support needs for the Africa Bureau and the Latin America and Caribbean Bureau (LAC).

ARCC will likely be asked to focus on the following geographic areas: *Africa*: Angola, Ethiopia, Kenya, Malawi, Mali, Mozambique, Rwanda, Senegal, Tanzania, and Uganda. *Africa Regional Missions*: East Africa, Southern Africa, and West Africa. *Latin America and Caribbean*: Colombia, Ecuador, Peru, Guatemala, Haiti, and Jamaica. *Latin America Regional Missions*: Central American, Andean and the Caribbean.

## 2.0 SUMMARY RESULTS FOR THE PERIOD

During the 9<sup>th</sup> Quarter, ARCC helped USAID/Uganda deliver district-level presentations on the findings of the Uganda VA. A total of 20-70 participants from each district participated. A separate meeting to share these findings with national government, donors, civil society, and researchers was held in Kampala. Next quarter ARCC will also develop several thematic papers on climate change.

The Senegal Vulnerability Assessment team completed their field work and presented a draft report on the initial results of the study. The VA team plans to hold a validation workshop to corroborate the findings of the VA. A final version of the VA report will be produced next quarter.

The West Africa Vulnerability Assessment team finalized assessments, including one on the status of climate change projection in West Africa, another on the potential impact of climate change on groundwater availability in West Africa, and the final one on the potential impact of climate change on the severity of pests and diseases on crops and livestock production in Sahel and Mali. A pilot vulnerability map of Mali was completed by ARCC subcontractor, CIESIN. The Mali map generated a lot of interest from USAID, and the project is discussing with USAID the possibility of generating a West Africa coastal vulnerability map as well.

This quarter, the Honduras Vulnerability Assessment team completed the field assessment and analysis phase of the VA. In late December ARCC submitted the draft VA Report to USAID for review, and at the writing of this report the project is awaiting USAID feedback. USAID/Honduras has also expressed interest in conducting a VA in Western Honduras where USAID implements several Feed the Future activities.

USAID's Global Climate Change Technical Officers Meeting for LAC was re-scheduled and will now be held in San Salvador from February 24-27, 2014. ARCC prepared (and will present next quarter) a paper summarizing LAC climate change impacts. ARCC also continued to work on second paper on donor investments in climate change programs. ARCC will meet with USAID Activity Manager, Christine Pendzich, in January to finalize the agenda and logistics pertaining to the meeting.

FESS completed their field work for the Sahel Case Study. Also the draft Cities Policy Brief was submitted to USAID for review in November. By the end of next quarter the Cities and Sahel Policy Briefs should be finalized, and drafts of the respective Case Studies will be completed.

Under ARCC's small grants program, the three grantees completed their field work and data entry for their research. By the end of next quarter, the grantees will have completed their final research papers and closed out their grants. ARCC will host a close-out event in May in Addis Ababa, Ethiopia in order to provide ARCC and the grantees an opportunity for cross-learning and sharing of the results.

Several members of the ARCC Compendium Working Group have completed drafts of their VA case studies. WRI completed a study on the success of climate change VA uptake. This study will be used to inform the agenda and objectives of the 3<sup>rd</sup> Experts Meeting.

Patricia Caffrey was designated as the Chief of Party. ARCC is also leading an ongoing recruitment for a full-time Publications Manager/Editor.



## TASK AREA I: DEVELOPMENT OF VULNERABILITY ASSESSMENTS METHODOLOGIES

Activities that were completed under Task Area I include:

1. From October 27 through November 5, 2013, ARCC helped USAID/**Uganda** to arrange and deliver **vulnerability assessment (VA) district-level presentations**. This remains a part of the ongoing efforts of USAID/Uganda to disseminate the Uganda VA findings, USAID arranged for a series of half-day workshops in each of the six focus districts, in conjunction with the regularly scheduled quarterly district operational plan (DOP) meetings. During these workshops results of the assessment were presented, and key stakeholders were engaged in discussing how the districts can best integrate climate change adaptation into existing programs. The district level findings were presented by Dr. Rita Laker-Ojok, the Value Chain Specialist from the team that conducted the vulnerability assessment. The objectives for the workshops were as follows:
  - Improve participants' understanding of: (1) climate change both globally and locally, (2) impacts of climate change on agriculture locally, and (3) household vulnerability to climate change;
  - Improve participants' understanding of ways to adapt to climate change impacts; and
  - Reflection and discussion about implications and options for what can be done to address climate change in the districts.

Presentations and handouts were tailored to each district. There were 20-70 participants in each district, including district chief administrative officers, district Local Council V (LCV) chairmen, planners, community development officers, finance officers and administration staff, district technical staff from the health, production, environment, and education offices, and USAID implementing partners representing sectors from health and education to agriculture and natural resource management. The same team also presented the vulnerability assessment results at the Sheraton Hotel in Kampala with Government of Uganda representatives, donors, civil society, the research community, and other local stakeholders. The workshops also afforded an opportunity for staff to introduce the new Feed the Future Enabling Environment for Agriculture Activity, which will be working with districts to improve capacity for responding to climate change impacts on agriculture.

2. Under the technical guidance of Africa Technical Advisor, Dr. David Miller, progress was made on all components of the **Senegal Climate Change Vulnerability Assessment**. In the third week of October, ARCC decided to no longer pursue an agreement with Senegal's meteorological agency, and the assessment team developed and implemented an approach to utilize data available through partners ISRA and CSE.

This reporting period also saw the completion of the assessment fieldwork. Directly after being trained during the week of November 11<sup>th</sup>, enumerators used electronic tablets to administer surveys to 428 households in 15 villages of the study zone, concluding on December 5<sup>th</sup>. Over the same period, facilitators engaged 421 adults in focus group discussions, and interviewers conducted 40 interviews of key informants in institutions. Miller debriefed USAID/Senegal on the status of the assessment, and progress in the fieldwork on November 11<sup>th</sup>.

At the conclusion of the reporting period, ARCC provided an initial results report on the assessment to USAID, which described the methods and analytical approach in full, indicated the status of the various studies being conducted under the assessment, and provided initial results from the fieldwork and other components. At the time of the report, complete drafts of 6 products had been submitted to ARCC, four of which were final. An additional five partial first drafts had been submitted. Approaches for crop and livestock modeling had been defined, and sub-contractor teams awaited downscaled projections to be

produced by ARCC sub-contractor CIESIN, based on the ISRA and CSE data. (Data was provided early in January, 2014) Analysis of the recently completed fieldwork was ongoing.

3. During this reporting period, ARCC continued the review and finalization of ten studies under the **West Africa Vulnerability Assessment**, and began the implementation of seven others. At the end of October, Matthew Edwardsen joined ARCC to support the management of WAVA, as ARCC Technical Advisor for Africa Dr. David Miller concentrated his efforts on the Senegal assessment. Under their supervision, ARCC finalized the following documents and submitted them to USAID for review: an assessment of the status of climate projections in West Africa; an assessment of the potential impact of climate change on groundwater availability in West Africa; assessments of the potential impact of climate change on the severity of pests and diseases on crop and livestock production in the Sahel and Mali.

ARCC also completed and presented for USAID review research on approaches to assess the impact of climate change on crops in the Sahel; and similar research on approaches to assess practices adopted by farmers to adjust to climate change in the Sahel. Elements of these approaches were also implemented. For the former, ARCC conducted interviews with researchers in Mali to finalize crop production profiles. For the latter, ARCC conducted a literature review to produce profiles of adaptive practices relevant to the Sahel.

During the reporting period, ARCC sub-contractor CIESIN began assembling data for vulnerability mapping of Coastal West Africa, and incorporated USAID feedback after piloting the map of climate change vulnerability they had developed for USAID/Mali.

4. In late October 2013, ARCC completed the field work for the **Honduras Vulnerability Assessment**. During this phase, the team visited a total of 9 municipalities, and conducted focus group discussions with mayors and key stakeholders in 5 of these municipalities. The team also facilitated focus group discussions with 9 community groups ranging from coastal fishermen to smallholder farmers and day laborers. During these meetings, the team collected primary information on community perceptions of climate change impacts as well as adaptive responses related to livelihoods.

From November 18-20, ARCC invited the Honduras VA team to Washington, DC to participate in a Cross Analysis meeting, where various components of the VA were discussed and analyzed. The draft VA report was submitted to USAID/Honduras on December 24<sup>th</sup>.

In early January ARCC will present the findings of the VA to the USAID staff from the Economic Growth and the Environment Offices, as well as the Mission Director. During this visit, ARCC will also discuss the scope and objectives of a VA in the western part of the country.

## **TASK AREA 2: OUTREACH, TRAINING AND SUPPORT**

Activities that were completed under Task Area 2 include:

1. USAID AFR Activity Manager, Tegan Blaine confirmed that the annual AFR Global Climate Change Technical Officers to be held in Nairobi, Kenya will now be conducted in April 2014 (previously it was tentatively scheduled for February 2014). ARCC solicited quotations from hotels for rental of the conference space. Other logistical and technical support will be further defined during January and February of 2014.
2. Due to the US Government Shutdown, the LAC Global Climate Change Technical Officers meeting was rescheduled from October 28-31, 2013 to February 24-27, 2014. During the quarter, ARCC submitted the

LAC Climate Summary paper – prepared by Ms. Maria Fernanda Zermoglio -- to USAID for review. ARCC will prepare and submit a paper and presentation on global climate change donor investments in the LAC region. ARCC's Administrative Assistant continued to work with the USAID/El Salvador Regional Mission to secure the conference venue. DCOP Kelly Miller will present the donor-map during the meeting itself, as well as liaise with Ms. Pendzich on overseeing the technical and logistical execution of the event. Progress on finalizing the agenda and workshop activities will move forward in early January 2014.

### TASK AREA 3: KNOWLEDGE DEVELOPMENT AND MANAGEMENT

Activities that were completed under Task Area 3 include:

- I. During the quarter, ARCC subcontractor **Foundation for Environmental Security and Sustainability (FESS)** completed the research phase for the “Sahel” and “Cities” climate change and conflict case studies. The “Sahel” study research trip took place between September 28 and October 18, 2013. In Niger, FESS provided the USAID Mission with a post-trip debrief on October 4th. Participants from the Mission included Agricultural Development Officer Megan Kyles; Crisis, Stabilization and Governance Officer Krista Desgranges; Peace, Security and Governance Manager A. Hassan; amongst others.

Continuing on to Burkina Faso on October 7<sup>th</sup>, FESS met with representatives of government, society and international development agencies in Ouagadougou to collect information and data on climate change and sources of conflict for the Sahel region. Field work outside of the nation's capital included trips to the provinces of Loroum and Kaya, where FESS investigators met with village leaders and pastoralists. Before departing on October 16<sup>th</sup>, FESS provided USAID/Burkina Faso with a post-trip debrief on the preliminary findings of their research.

On November 18<sup>th</sup>, FESS delivered a PowerPoint presentation to USAID/Washington with the preliminary findings of the Sahel research trip. This presentation was followed by a teleconference debriefing with USAID/West Africa on November 25, 2013. The teleconference was very well-attended by staff from the Regional Mission, and there appears to be a great deal of interest in the findings from this study. The draft policy brief for the Sahel Case Study will be submitted in January 2014 in hopes that the Regional Mission can share and/or use the findings of this study at their upcoming Resilience Workshop, tentatively scheduled for January 27, 2014.

ARCC submitted the FESS African Cities Policy Brief to USAID on November 27<sup>th</sup> and received comments back from USAID on December 16<sup>th</sup>. During the next quarter, FESS and ARCC will address USAID's comments and submit a final version for review/approval.

2. Under the **ARCC small grants program**, all three grantees finalized their field work and completed the data entry for their research. Although the field work took longer than anticipated, the grantees were able to successfully collect and analyze a wealth of data using data instruments like household surveys, focus groups, and key informant interviews. A summary of the data collected is presented below.

Grantee	Household Surveys	Focus Group Discussions	Key Informant Interviews
AGED - Burkina Faso	500	16	32
MFCS – Ghana	612	10	25
MRDC – Kenya	418	5	10

ARCC Consultant, Lynnette Wood, and African Climate and Policy Centre (ACPC) Fellow, Rivaldo Kpadonou, supervised the data cleaning and provided substantive feedback on the design of the grantees data spreadsheet templates. In preparation for the data analysis and report writing, the grantees also completed draft outlines for their final research papers.

From October 27 – November 2, 2013 ARCC Grants Manager, Sarah Alderfer Thessing, traveled to Ouagadougou, Burkina Faso to work with the Association pour la Gestion de l'Environnement et le Développement (AGED). Ms. Thessing spent four days in the AGED office working with Principal Investigator, Andre Kiema, and ACPC Fellow, Benjamin Brida, to finalize the data entry template, review the research paper outline, and revise the grantee activity plan and schedule. Ms. Thessing also worked with AGED's accountant and finance manager to answer questions and build capacity pertaining to financial and contractual administration of the grant.

Total disbursements for the life-of-project total \$264,647, of which \$125,773 correspond to payments made this quarter. A summary of grant activities and disbursements for this quarter are presented below:

**Table 1. Summary of ARCC Grant Activities For This Quarter**

Grantee	Deliverables Approved	Funds Disbursed This Quarter	Funds Disbursed To Date
<b>Association pour la Gestion de l'Environnement et le Développement (AGED)</b>  Household and Community Experiences and Perceptions on Climate Change Impacts due to droughts, and Expectations on Policy Interventions in Sahel Region, Northern Burkina Faso	Milestone 05: Training Report  Milestone 06: Outline of Research Paper  Milestone 07: Quarterly Progress Report 2  Milestone 08: Fieldwork Report Part I (Household Surveys)  Milestone 09: Data Spreadsheet Submission	\$40,139	\$76,394
<b>Multi-Features and Capacity-Enhancing Services (MFCS)</b>  Climate Change and Agricultural Adaptation Measures in the Transition Zone of Mid-Ghana	Milestone 06: Quarterly Progress Report 2  Milestone 07: Fieldwork Report  Milestone 08: Data Spreadsheets  Milestone 09: Outline of Research Paper	\$39,851	\$81,722
<b>Multiface Research and Development Centre (MRDC)</b>  Household and Community Experiences and Perceptions on Climate Change Impacts due to Floods, and Expectations on Policy Interventions in Budalangi, Western Kenya	Milestone 06: Quarterly Progress Report 2  Milestone 07: Fieldwork Report  Milestone 08: Data Spreadsheets  Milestone 09: Outline of Research Paper	\$45,783	\$106,531

- The project continued to make progress on the **ARCC Compendium**, an end-of-project document that will highlight ARCC's vulnerability assessment experiences. Since the July retreat reported last quarter, a team of writers have begun to interview participants and write the VA case studies. ARCC purposefully chose third-party individuals who were not involved in the case studies to be the authors of the case study. In doing so, these writers can provide an objective and fresh perspective to evaluating the process and the lessons learned. Each case study focuses on one or two key learning themes.

In November, the ARCC Compendium Team, under the leadership of the Coordinator for this activity, Lynnette Wood, met to review progress on the case study revision. The Compendium team fleshed out a chapter structure, which was then shared with the AFR Activity Manager, Tegan Blaine, on December 4, 2013. In addition, the team developed a detailed work plan for completing the Compendium, including frequent check-ins, periodic reviews, and revision periods. By the end of the quarter, the team had finalized nearly all of the case studies and had begun to draft other chapters of the Compendium.

4. Progress was made on planning the **3rd Experts Meeting** (tentatively scheduled for April 15-16, 2014) including establishment of a steering committee comprised of Patricia Caffrey, Kelly Miller, Heather McGray, Lynnette Wood and Leif Kindberg. During this quarter, ARCC subcontractor, the World Resources Institute (WRI), conducted a study on climate change vulnerability assessment uptake success. WRI interviewed five VA designers and a number of implementers to gather information on what key factors contribute or impede successful uptake and integration of VA recommendations into national and local policies and programming.
5. ARCC made revisions to or submitted for review twenty-nine (29) **deliverables** during the quarter, most of which were technical background papers for the West Africa and Honduras VAs (see Annex I for a complete list of all deliverables).

## **TASK AREA 4: TECHNICAL SUPPORT TO USAID MISSIONS AND OPERATING UNITS**

Activities completed under Task Area 4 include:

- I. The USAID/Uganda Mission has requested that ARCC develop several **thematic papers** based on the Uganda VA findings. The themes of these papers are climate change and: (1) infrastructure related to the processing and marketing of agriculture products; (2) biodiversity; and (3) health. ARCC presented USAID/Uganda with draft scopes of work summarizing the main questions and key elements to be captured in each paper. Next quarter, ARCC will finalize the SOWs and recruit consultants to research and write these papers.

## **PROJECT MANAGEMENT AND ADMINISTRATION**

The following are key project management and administration activities which took place during the reporting period:

- Coordinated logistics and international travel for Honduras VA field work and hosted the cross-analysis meeting to discuss VA findings at the ARCC office
- Identified and contracted STTA and hotel conference space for the Uganda district-level vulnerability assessment and options analysis presentations
- Coordinated international travel and survey logistics for the Senegal VA household survey
- Identified and contracted STTA for WAVA and coordinated international travel and survey logistics for Mali field studies to take place in the next quarter
- Identified and contracted STTA for the Compendium activity and held a kickoff meeting at the ARCC office
- Identified and contracted consultants and hotel conference space for the LAC GCC Technical Officers meeting in San Salvador
- Commenced procurement and logistics planning for AFR GCC Technical Officers meeting in Kenya
- Commenced procurement and logistics planning for Experts Meeting in Arlington, Virginia
- Completed annual review of ARCC inventory in preparation for closeout

- Managed for outputs from US and local subcontractors – ACDI/VOCA, CIESIN, WRI, CSAG, MSU, ISRA and CSE

The following project management and administration activities are anticipated during the following quarter:

- Manage subcontractors and consultants for the Honduras, Senegal and West Africa VAs
- Mobilize numerous STTA trips to Africa and Latin America
- Continue file closeout of consultant and subcontract records
- Recruit and hire new Publications Manager/Editor for the Knowledge Management team

# 3.0 FINANCIAL MANAGEMENT

<b>TETRA TECH ARD</b> <b>African and Latin American Resilience to Climate Change (ARCC)</b> <b>Contract #: AID-OAA-TO-11-00064</b>		
<b><u>TOTAL BUDGET SUMMARY BY YEAR</u></b>		
	<b>Approved Budget</b>	<b>Actuals Through December 31, 2013</b>
Salaries & Wages	\$3,332,910	\$2,204,837
Fringe	\$839,080	\$491,433
Travel, Transportation & Per Diem	\$1,043,142	\$717,368
Equipment & Supplies	\$102,467	\$65,291
Subcontracts / Grants	\$4,638,805	\$3,251,638
Program Activity Costs	\$187,697	\$137,584
Other Direct Costs	\$348,248	\$267,725
Indirect Costs	\$1,921,889	\$1,180,029
Sub Total	\$12,414,238	\$8,315,905
Fixed Fee	\$620,712	\$416,226
<b>Total Est. Cost Plus Fixed Fee</b>	<b>\$13,034,950</b>	<b>\$8,732,131</b>
<b>ARCC Program Area</b>	<b>Actuals Through December 31, 2013</b>	
Operations	\$ 4,268,116	
Latin America & Caribbean	\$ 619,154	
Africa	\$ 3,844,861	
<b>TOTAL</b>	<b>\$ 8,732,131</b>	

# 4.0 MAJOR ACTIVITIES PLANNED FOR NEXT PERIOD

Next quarter ARCC expects to finalize the Vulnerability Assessments for West Africa, Senegal, and Southern Honduras. ARCC will also complete the Mali institutional assessment, adaptive farming practices study in Mali, and begin defining a scope for the West Africa Volta River Basin. ARCC will also commence a new assessment in Western Honduras. Our general activity plan for the next quarter is as follows:

Activity Plan				
Task Areas	Activities	Lead ARCC Team Member/ Partner	Date/Month	Output
TA I	<p>Complete the vulnerability assessment and submit a complete report to USAID.</p> <p>Conduct a review and validation of assessment results by the research team and plan and implement a process to analyze options derived from the assessment.</p>	David Miller	January-March	Senegal VA Report
TA I	<p>Implement two elements of the proposed approach to evaluating adaptive practices in the Sahel: 1) a study of practices and adjustments that have been adopted by farmers, and 2) a study of practices currently extended by implementing agencies to farmers that address climate change.</p> <p>Refine study on and potentially implement approaches to assessing the future potential of moisture and soil management adaptive practices.</p> <p>Complete Mali mapping activity.</p> <p>Launch an institutional assessment of the Mali meteorological service and environmental agency.</p> <p>Define climate change VA scope for the Volta River Basin.</p> <p>Pending USAID approval of the activity,</p>	David Miller	January -March	West Africa VA Report & Mali Technical Outputs



	ARCC (in collaboration with CIESIN) will develop the SOW for a West Africa coastal mapping activity, and later on develop a vulnerability map for West Africa coastal regions.			
TAI	Finalize VA report for Southern Honduras	Kelly Miller	January	Southern Honduras VA Report
TAI	Identify scope and timeline for upcoming Western Honduras VA.  Recruit for VA team members, complete the research design, and commence field work.	Kelly Miller	January – March	Western Honduras VA Report
TA 2	Submit technical papers and make presentations on LAC Climate Summary, and Donor Investments at LAC Technical Officers Meeting.  Plan and execute all logistics for meeting.	Kelly Miller & Lauren Redfield	January- February	Technical Papers & Coordination and Logistics Report Out
TA 2	Continue preparations for the AFR Technical Officers Meeting to be held in Nairobi, Kenya.	Michael Wasson	January - March (ongoing)	Coordination and Logistics Report Out
TA3	Complete the Policy Briefs and final Case Studies for the Cities and Sahel regions.	FESS, David Miller, & Kelly Miller	January – March	Climate Change & Conflict Policy Briefs and Case Studies
TA 3	Write chapters on the cross-cutting learning for the Compendium on ARCC VA Experiences.  .	Compendium Working Group: Leif Kindberg, Patricia Caffrey, Lynnette Wood, and Heather McGray	January - March	Compendium on ARCC Experiences
TA3	Continue to share publications through Eldis website.  Update the Development Experience Clearinghouse as publications are approved.	Leif Kindberg	January - March (ongoing)	ARCC approved publications
TA 3	Assist grantees in finalizing final research papers.  Travel to Kenya to conduct a site visit with ARCC grantee, MRDC.  Close-out grants and commence preparations for Grants Closeout Event to	Sarah Alderfer Thessing	January - March	Grantee Deliverables per Grant Agreements

	be held in Addis Ababa, Ethiopia in May 2014.			
TA3	Present USAID with a proposal for ARCC's 2014 Expert's Meeting objectives and complete a draft agenda.  Finalize meeting dates and list of participants. Send "Save the Date" invitations.	Leif Kindberg	January - March	2014 Experts Meeting
TA 4	Recruit consultants and initiate development of thematic papers for USAID/Uganda Mission on climate change and: 1) infrastructure for marketing and processing agricultural products, 2) health, and 3) biodiversity	Leif Kindberg and Patricia Caffrey	January - March	Uganda Theme Papers
TA 4	As requested, support USAID Missions in initiating literature reviews, developing case studies, and conducting assessments for USAID Missions.	ARCC - TBD	Ongoing	TBD

# 5.0 ANNEXES

## ANNEX I: ARCC OUTPUTS

Title	Date of Original Submission	Date of Final Submission
2012 Expert's Meeting Report - Full	20-Mar-12	9-May-12
Uganda Annexes	1-Sep-13	Approved for distribution on September 11, 2013
Uganda scenarios (6)	30-Jun-13	3-Oct-13
Uganda Vulnerability Assessment Report (Full)	24-Jan-13	Approved for distribution on September 11, 2013
Uganda Climate Section	29-Jul-13	Approved for distribution on September 11, 2013
Uganda Executive Summary (4 page)	29-Jul-13	Approved for distribution on September 11, 2013
Uganda Executive Summary (6 page)	29-Jul-13	Approved for distribution on September 11, 2013
USAID Workshop Summary on: Information & Capacity for Adaptation Decision Making in Agriculture	9-May-13	Approved for distribution on June 11, 2013
USAID Workshop Summary on: CCVA Recent Approaches and Results	9-May-13	Approved for distribution on June 12, 2013
Malawi Vulnerability Assessment Report Annexes	1-Sep-13	Approved for distribution on September 12, 2013
Malawi Vulnerability Assessment Report (executive summary)	1-Sep-13	Approved for distribution on September 12, 2013
Malawi Vulnerability Assessment Report (full report)	16-May-13	Approved for distribution on September 12, 2013
ARCC Implementing Mechanism Fact Sheet	14-Jun-13	Approved for distribution on September 6, 2013
ARCC Program Brief	14-Jun-13	Approved for distribution on September 6, 2013
Background Paper: Regional Climate Change Vulnerability Assessment for West Africa	12-Jun-13	Approved for external distribution on May 29, 2013
Evaluation of Organizational Capacity and Opportunities for Climate Change Adaptation Investments in Kenya	22-May-13	Approved for internal distribution on August 26, 2013

DRR and CCA Synergy in USAID/Ethiopia Programming	4-Jun-13	Approved for internal distribution only on June 11, 2013
Background Paper on Vulnerability Assessment Methodology	1-Mar-12	27-Jun-12
Understanding Vulnerability - Towards a Framework on Adaptation	1-Aug-12	NA
Vulnerability Assessment Options: A Review of Approaches	29-May-12	29-May-12
Evaluation of Organizational Capacity and Opportunities for Climate Change Adaptation Investments in Rwanda	20-May-13	Approved for internal distribution only on June 25, 2013
Integrating Climate Change Adaptation into Biodiversity and Forestry Assessments and Programs	18-Jan-13	13-Jun-13
Synthesis paper - Climate Change and Conflict in Africa and Latin America: Findings and Preliminary Lessons from Uganda, Ethiopia, and Peru	21-Dec-12	Approved for external distribution on December 6, 2013
Sahel Report on Conflict and Climate Change	21-Feb-14	TBD
Dominican Republic Vulnerability Assessment Report (Full)	31-May-13	30-Sep-13
Dominican Republic Vulnerability Assessment Report (Executive Summary)	1-Sep-13	1-Sep-13
Climate and Conflict <u>Report</u> on Cities	30-Oct-13	21-Jan-14
<u>Sahel</u> Climate and Conflict <u>Policy Brief</u> on Cities	7-Dec-13	TBD
Strength in Diversity: the case for a broad view of successful adaptation to climate change	13-Sep-13	TBD
Design and use of Composite Indices in Assessments of Climate Change Vulnerability and Resilience	4-Jan-13	TBD
Working Paper on Spatial Climate Change Vulnerability Assessments: A Review of Data, Methods and Issues	14-Jun-13	TBD
Addressing Global Food Security Under A Changing Climate	12-Sep-13	TBD
Downscaling Climate Projections - Review of Existing Methods	15-Jul-13	TBD
The Role of An Ecosystems Lens in Assessing Vulnerability and Enabling Adaptation (Working Title)	21-Aug-13	TBD
Stakeholder Participation in Climate Change Adaptation Planning	2-Jul-13	19-Dec-13
Climate Change Adaptation and Development: How the Climate Lens Influences Decision Making and Practice	30-Aug-13	TBD
Expected Impact of Changes in Climate on Pests and Diseases Afflicting <u>Livestock</u> in the <u>Sahel</u>	18-Oct-13	TBD

Expected Impact of Changes in Climate on Pests and Diseases Afflicting <u>Livestock in Mali</u>	18-Oct-13	TBD
Expected Impact of Changes in Climate on Pests and Diseases Afflicting Selected <u>Crops in the Sahel</u>	TBD	TBD
Expected Impact of Changes in Climate on Pests and Diseases Afflicting Selected <u>Crops in Mali</u>	TBD	TBD
Improving Analysis of Climate Change Adaptation Networks and Institutions in Africa (Report and Summary and Database)	29-May-13	19-Dec-13
Analyzing Climate Change Adaptation Options Using Multi-Criteria Analysis	25-Jan-13	19-Dec-13
Methods for Economic Analysis of Climate Change Adaptation Interventions	19-Nov-12	19-Dec-13
Adaptation and Governance	14-Dec-12	TBD
Climate Change Issues Affecting Small Holder Agriculture (a.k.a., Agricultural Interventions Matrix) and Overview	8-Apr-13	TBD
Improving Vulnerability Assessment and Climate Change Adaptation by Applying Impact Assessment Processes - Ten Principles	1-Mar-12	TBD
From Assessment to Implementation: Approaches for Adaptation Option Analysis	19-Nov-12	19-Dec-13
Ensuring Condition-Appropriate Seed (Climate Change Fact Sheet, 2 pages)	19-Nov-12	TBD
Expansion of Income Generating Activities (Fact Sheet)	14-Dec-12	TBD
Improved Post Harvest Handling and Storage (Fact Sheet)	14-Dec-12	TBD
Promoting Conservation Agriculture (Fact Sheet)	14-Dec-12	TBD
Strengthening Agricultural Value Chains (Fact Sheet)	14-Dec-12	TBD
Supporting Mixed Farming Systems (Fact Sheet)	14-Dec-12	TBD
Investigate Crop Insurance Schemes (Fact Sheet)	21-Dec-12	TBD
Improve Extension Services (Fact Sheet)	22-Dec-12	TBD
Expansion of Integrated Pest Management (Fact Sheet)	23-Dec-12	TBD
Improving Vulnerability Assessment and Climate Change Adaptation by Applying Impact Assessment Processes - Ten Principles (Summary Paper)	4-Jan-13	TBD
Increase Nutrition Specific Interventions (Fact Sheet)	18-Jan-13	TBD
Analyzing Climate Change Adaptation Options Under Uncertainty	25-Jan-13	TBD

WAVA Regional Vulnerability Map Options Paper	2-Aug-13	TBD
Honduras Climate Change Vulnerability Assessment Report	24-Dec-13	TBD
Honduras literature review	9-Aug-13	TBD
Honduras Options Analysis	TBD	TBD
Ghana Grantee final research paper	28-Feb-14	TBD
Kenya Grantee final research paper	28-Feb-14	TBD
Burkina Faso Grantee final research paper	31-Dec-13	TBD
Senegal Vulnerability Assessment Report (Full)	TBD	TBD
CEISIN Historical Adaptive Responses/Senegal	TBD	TBD
An Assessment of Groundwater Management in West Africa in the Light of Climate Change	11-Nov-13	TBD
Water Resources in Mali	22-Aug-13	TBD
Mali Vulnerability Map Options Paper	9-Aug-13	TBD
Senegal Institutional Capacity Assessment	TBD	TBD
An Approach to Evaluating the Performance of Agricultural Practices Under Climate Change in the Sahel	26-Aug-13	TBD
West African Coastal Vulnerability to Climate Change: Biophysical and Institutional Analysis	25-Sep-13	TBD
WAVA Background Paper on the Status and Possible Evolution of Climate Projections in West Africa	26-Aug-13	11-Dec-13
An Approach to Conducting Phenological Screening of the Impact of Climate Change in the West African Sahel	26-Aug-13	TBD
WAVA Institutional Assessment -- full report	22-Aug-13	TBD
WAVA Institutional Assessment Initial Report	TBD	TBD
Transboundary River Basins in West Africa in Light of Climate Change	19-Sep-13	TBD
Latin America and Caribbean (LAC) Climate Change Summary Report	21-Oct-13	TBD
Global Climate Change Donor Investment in LAC	21-Oct-13	TBD
FESS-WAVA Synthesis Paper	TBD	TBD
Compendium w/ Case Studies	TBD	TBD
Adaptive Practices Profiles (Lit Review)	TBD	TBD

Impact Evaluation: Moisture Retaining Practices	TBD	TBD
Impact Evaluation: Soil	TBD	TBD
Survey of adaptive practices currently extended/Mali	TBD	TBD
Focus Groups on farmer practices	TBD	TBD
Report of the Uganda Climate Change Vulnerability Assessment District Level Outreach Activity	18-Feb-13	TBD
Uganda Brief on Infrastructure and Climate Change	TBD	TBD
Uganda Brief on Health and Climate Change	TBD	TBD
Uganda Brief on Biodiversity and Climate Change	TBD	TBD

**U.S. Agency for International Development**

1300 Pennsylvania Avenue, NW

Washington, D.C. 20523

Tel: (202) 712-0000

Fax: (202) 216-3524

<http://www.usaid.gov>